

WHAT IS CLAIMED IS:

1. A cucurbituril-fullerene complex in which cucurbituril and fullerene are coupled with each other by molecular interaction.

5 2. A cucurbituril-fullerene complex as claimed in claim 1,

10 characterized in that the weight ratio of cucurbituril and fullerene is from 1:2 to 2:1.

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15 3. A method for manufacturing a complex, comprising cucurbituril and fullerene, comprising the step of crushing a mixture of solid-phase cucurbituril and fullerene.

4. A method for manufacturing a complex as claimed in claim 3,

20 characterized in that the molar ratio of cucurbituril and fullerene of said mixture is from 1:2 to 2:1.

5. A method for manufacturing a complex as claimed in claim 3,

25 characterized in that said mixture is being crushed with the rotation speed form 20rpm for about 1 to

10 hours.

6. A method for manufacturing a complex as claimed
in claim 4,

5 characterized in that said mixture is being crushed
with the rotation speed form 20rpm for about 1 to
10 hours.